

KENWOOD

MD receiver ³
E. 3MD
server

operating instructions

Thank you for your purchase.

Please read this instruction manual carefully before use, and use the product correctly as described.

Also, keep this instruction manual in a safe place.

This machine is a model for Japan only and cannot be used outside of Japan.

Functional operations

株式会社 ケンウッド
KENWOOD CORPORATION

source seleksi John

display control rule

MD/External Disc mode code

TUNER model code

audio control rule

Menu Sets

Good use!
Functional operation

Functional operation

Just read this and you'll be fine!

Easy operation

EZ Operation

EZ Operations



MDLP MD GROUP

Help

? MD Group
? Operation
? Word

Help

Contents

You cannot operate without reading this!
There are rules for reading this instruction manual.

本書の読みかた

How to read this manual4

Safety Precautions6

Precautions for use8

Just read this and you'll be fine!
Easy operation

EZ Operation

How to listen to MD, FM/AM broadcasts, and traffic information10

When things don't work as expected

If you come across a term you don't understand...

Help page when you are in trouble!

Help ? MD Group ? Operation ? Word

MD Group28 Help?

Operation29 Help? ...33

installation method etc.

付 録

Precautions when installing36

Connections38

Mounting40

Warranty and after-sales service41

Specification list42

Mastering! Functional Operation

EZ Operation

source selection.....12

source selection

display control.....13

Dimmer control

Display switching

MD/External Discmode.....14

track search

Group/disk search

manual search

Pause

scan play

repeat play

random play

magazine random play

group random play

group select

title scroll

TUNERmode.....18

band switching

tuning

preset tuning

auto memory

manual memory

audio control.....20

audio control

audio setup

dB equalizer

speaker matching

menu set.....twenty four

Menu settings

time adjustment

AUX name select

source seleksi John

display control rule

MD/External Disc mode code

TUNER model code

audio control rule

Menu Sets

本書の読みかた

This manual explains how to use this unit and the optional accessories, divided into the following three blocks.

Just read this and you'll be fine!
Easy operation

EZ Operation

Good use! Functional operation

Functional Operation

For those who want to use it immediately, the minimum necessary
I've tried to explain the functionality as simply as possible.
If you only read here, you can use it for the time being
increase.

Go here after learning EZ Operation.
All functions explained step by step
doing. Read here to learn how to use it.
You can

Help

? MD Group

Explains the search function for group-registered MDs, etc.
I'm here.

? Operation

What caused it not to work as expected?
Explains countermeasures.

? Word

Terms displayed in the instruction manual and display
is explained.

In addition to these, there is an [Appendix] that describes how to install the machine.

● The notation of the display part and panel described in the instruction manual is an example of display for smooth operation explanation. For this reason, it may differ from the actual device or may contain display patterns that do not actually exist.

Marks in text



Common operations

Represents common operations regardless of source.



MD operation

Indicates the operation to play MD.



Operation of the tuner

Indicates the operation to receive FM/AM broadcasts.



Note

Indicates important precautions to prevent injury.



memo

Indicates precautions to prevent damage to the unit. It also indicates restrictions on functions and usage, and advice on usage.

short press

Represents pressing a button.



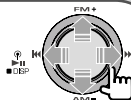
press for more than 1 second

1 second or longer (2 seconds when writing to memory)
seconds or more) indicates an operation to press.



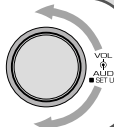
until the operation starts or the screen display
Indicates to keep pressing the button until it changes.
Normally, press for 1 second. Press for 2 seconds to write to memory. You can use the display inside the arrow as a guide for the number of seconds to press.

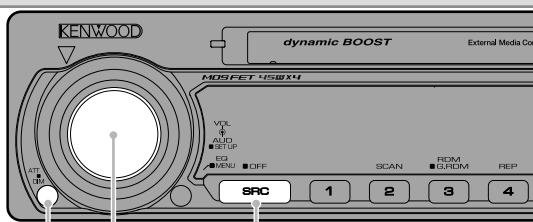
push in the direction of the arrow
pressing the button in the direction of the arrow
represents



turn

Turn the knob (or left or right
turn).





A.

B.

Button ABC around here...
where is the button to operate
or C, to represent the position
is the mark.

source selection

Switch the source to play.



display display
scroll
each time you press the button
To do.

Switch in the following order each time the button is pressed.

TUNER

Receiving FM/AM broadcasts

MD

play MD

Content description

STANDBY

keep the power on
stop functioning

display display
character or content
to be

dimmer control

Sets the brightness of the display.



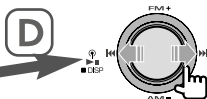
DIMON

display display
until
represents a push.

Press for 2 seconds or more to turn the dimmer on/off. The display will be dark when on.

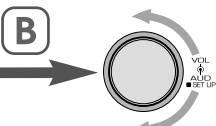
track search

Select songs in order.



volume control

Set the volume.



small

source seleksi John

display control rule

MD/External Disc mode code

TUNER model code

audio control rule

Menu Sets

安全上のご注意

Please read "Safety Precautions" carefully before using the product for safe use.

About pictograms:

This instruction manual uses various pictograms to help you use the product safely and correctly, and to prevent injury to you and other people and damage to property. The indications and their meanings are as follows. Please read the text after fully understanding the contents.



警告

Ignore this indication and If handled properly, death or serious injury possible indicates capacity.



注意

Ignore this indication and If handled properly, personal injury may result indicate what to expect is.

Examples of pictograms



Note

△ The symbol calls attention (including warnings).

This is to inform you that there is content to vinegar. Concrete precautions are drawn nearby. It is written.



Ban

⊘ The symbol indicates a prohibited action.

it's something to tell you. in or near the figure Specific prohibited contents (in the case of the left figure, Do not disassemble) is drawn.



implementation

❶ Symbols force or direct an action

It tells you what to do. in the vicinity Specific instructions are drawn.

vinegar.

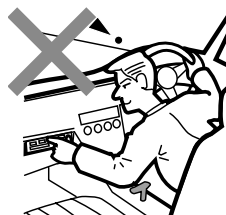
The customer or a third party shall not be held responsible for damages caused by misuse of this product, failure during use, other defects, or use of this product. Please note that our company does not take any responsibility for this.

To prevent traffic accidents, be sure to:

Please observe the following items.



警告



implementation

When the driver does any of the following:

Be sure to park your car in a safe place before Please go.

- Car audio operations (volume control, di insertion/removal of disk, etc.)



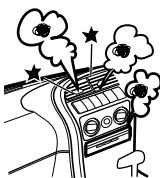
implementation

While driving, keep the volume so that you can hear sounds outside the car.

Please use it.

If any of the following abnormalities are found, immediately
Discontinue use and contact the store of purchase or Kenwood service.
service center, Kenwood service station
Please contact our sales office. as it is
Doing so may cause fire or other accidents.
I will.

- no sound
- No display
- Foreign object entered
- water splashed
- smoke comes out
- smells weird



Ban

Repairs must be performed by the place of purchase or Kenwood service center,
center, Kenwood service station,
Please ask our sales office. customer repair
Failure to do so may result in fire or other accidents.



Ban

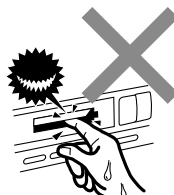
Do not disassemble or modify the product.
It may cause fire or other accidents.

⚠ 注意



Ban

Do not put your hands or fingers into the disc insertion slot.
Doing so may result in injury.



Ban

Do not allow water or foreign objects to enter this product. Doing so
may cause smoke, fire, or electric shock.



Ban

Do not use the product for purposes other than vehicle use.
please



Ban

Do not subject this product to strong impact. Since it
uses glass parts, it may break and cause injury.
There is a risk of



implementation

Installation and wiring of this product requires skill and experience.
For your safety, please ask the store where you purchased the
product.

使用上のご注意

CD player/connected to this unit About disc changer

Kenwood disc changers and CD players sold after 1998 can be connected to this unit. Connectable disc changer or CD player

Please refer to the catalog for the models of .

Kenwood disc changers made before 1997, disc changers and CD players made by other companies cannot be connected. Connecting may cause damage or malfunction.

Kenwood disk with "ON switch"

Set the changer to the "N" side.

Available functions and displays depend on the connected model.
Information available may vary.

Up to two disc changers can be connected by using the optional CD/MD switching unit "KCA-S210A". Details such as connection

For more information, see "Connections" (page 38) and the instruction manual supplied with the KCA-S210A.

About cleaning the set

If the front panel of the unit becomes dirty, clean it with silicon cloth. wipe with a soft cloth or a dry cloth. Dirt
In severe cases, apply a neutral cleaner to the cloth.
Remove the dirt after attaching, then wipe off the detergent please.

Do not spray a spray-type cleaner directly on the unit.
Doing so may damage the machine's mechanical parts, or wipe with volatile substances such as thinner, alcohol, etc.
Doing so may scratch or erase characters.

Precautions when installing

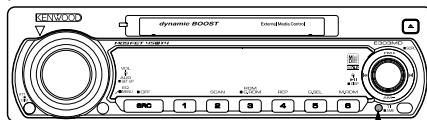
Locations exposed to direct sunlight, hot air, or exposed to water where it cannot be securely installed.

Do not install the product in a location subject to frequent vibrations.

When you notice something wrong with this unit

If you notice something wrong with this unit, "Operation" on page 29 to see if there is a solution. I can't find a solution

the reset button on the product using the tip of a pen, etc. please.



reset button

When pressing the reset button does not restore normal operation turn off the unit and return it to the place of purchase or Please consult a Kenwood service center. when.

Condensation

Do not leave the unit inside the unit, such as immediately after turning on the heater in cold weather.

Dew (water droplets) may form on the Connect this It is called dew, and MD cannot be read in this state. becomes.

In such a case, remove the MD and leave it for about an hour.

If you leave it alone, the condensation will be removed.

If it does not work properly after several hours, Contact the place of purchase or Kenwood Service Center please.

About the playing time display

If the playing time of the MD exceeds 100 minutes, the playing time will be displayed up to the last two digits.

auto antenna car when installed

Auto antenna that automatically extends the radio antenna
If installed in a car, set to tuner mode

When the traffic information function is turned on, the vehicle antenna automatically grows.

Turn off the machine when entering a garage with a low ceiling. or switch to a source other than FM/AM broadcast.

About Hi-MD/MD for data

Hi-MD discs, discs formatted in Hi-MD format, and data MDs cannot be used. Use conventional MDs for music.

The MD with the label peeling off

Do not use an MD whose label is peeling off. Labels are floating or peeling off

If you use an MD, it may come off inside the unit and become impossible to remove, resulting in malfunction.

About lens cleaner

Do not use lens cleaner. optics

This may damage the system components or make it impossible to eject.

It may cause malfunction.

Caring for your MD

Wipe off any dirt or dust on the surface of the cartridge with a dry cloth before use. In particular, if the disc is used with oil stains, it may not be possible to load the disc or remove it.

Also, when cleaning, open the shutter.

Please be careful not to

About MD shutter

The MD shutter is designed so that it cannot be opened. If you force it open, the cartridge will be damaged and used.

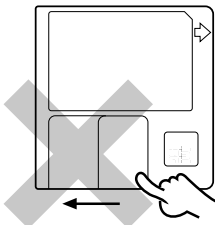
You won't be able to.

When the shutter opens for some reason

Do not touch the recording area with your fingers.

stomach. If you touch the recording part, it will become unusable,

Sound skipping will occur frequently.



About temperature

If the windows are closed under direct sunlight, the inside of the car

It will get very hot.

If the internal temperature of this unit exceeds 60°C, a protective circuit will activate and the MD will not be able to play.

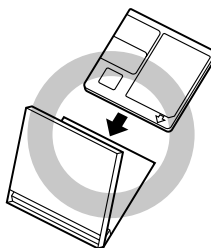
In such cases, lower the temperature inside the car. The protective circuit function is canceled, and the instrument is ready for playing.

I will. If it does not work properly, use the reset button.

Please press the button.

Storage

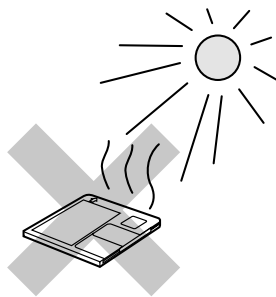
Do not leave the MD in this unit for a long time. stomach. Also, keep the removed MD in the dedicated MD case.



Beware of high temperature

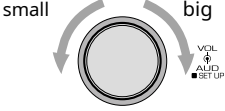
Do not leave the MD in a place exposed to direct sunlight (such as on the dashboard) or in a place where the temperature is high.

please leave The MD cartridge will deform and become unusable.



EZ Operation

Playing MD is easy! Just plug in your MD.



Adjust the volume.


small big

VOL
▲
AUDIO
■ SET UP



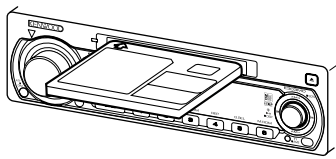
**volume quickly
Make it smaller.**

Press again to return to the original
Return to volume.

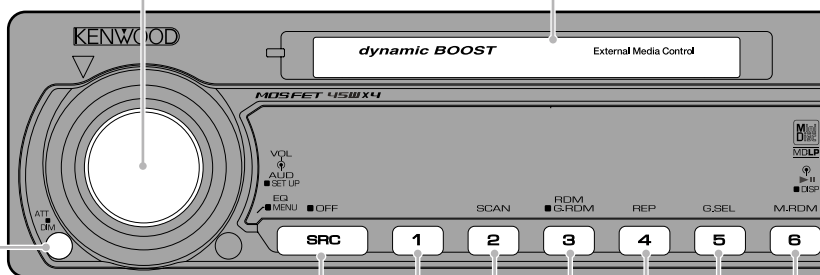



When playing MD...

Insert the MD to play.
The IN indicator lights when an MD is inserted.




- MDs recorded in the "MDLP" format can also be played.
- This unit is equipped with a group management function. For more information, see "Help - MD (page 28)".


Power on/off.

Press to turn on the power, and press for more than 1 second to
Power is turned off.




**Switch MD play and FM/AM broadcast
change.**

If pressed when a disc is inserted, FM/AM
Switches to broadcasting, MD, and STANDBY.



**Select a station stored in memory
increase.**

Press the button for 2 seconds or longer to select the station being received.
to memory.



Pause playing.

Press again to play.



For your safety, please listen at a volume that allows you to hear your surroundings.



MD operation



Operation of the tuner



Common operations

**Select a song to play.****Select the station you want to receive.**

Automatically picks up stations with good reception.

By setting the tuning mode,

You can set the stations to be received in order, or
can be changed step by step. (page 18)Frequency of traffic information (1620KHz/
1629KHz/522KHz).**Take out the MD.****FM broadcast band (FM1/FM2/FM3)
switch to .****Select the next MD group.****Switch to the AM broadcast band.****Select the previous MD group.****Receive traffic information.**The TI indicator lights up while receiving traffic information.
increase.

Press it again to return.

If you adjust the volume while receiving traffic information, the
adjusted volume is automatically set the next time traffic
information is received.

source seleksi John

display control rule

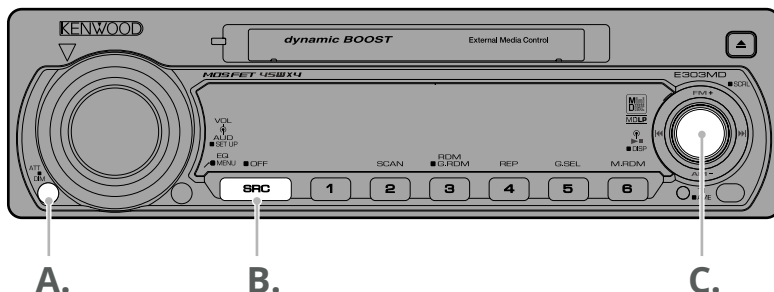
MD/External Disc mode code

TUNER model code

audio control rule

Menu Sets

ソースセレクション /

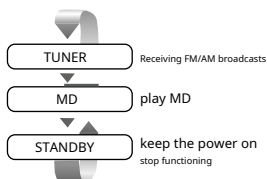


source selection

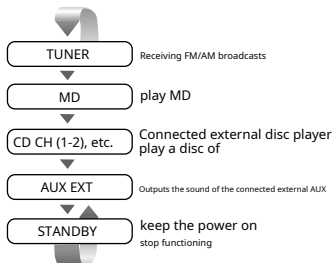
Switch the source to play.



Each press switches in the following order.



When an optional unit is connected,
Switches in the following order.



- Display example when an external disc player is selected
"CD CH (1-2)": CD changer
"MD CH (1-2)": MD changer
"DISC CH (1-2)": Disc changer
- AUX input source mode ("AUX EXT") to use
For this purpose, the optional KCA-S210A or CA-C1AX is required.
- When using KCA-S210A, "AUX EXT" display can be changed to "AUX name self page 26" I can.

Dimmer control

Sets the brightness of the display.



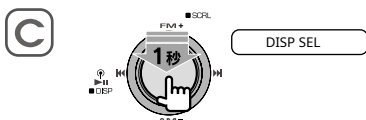
The dimmer turns on/off each time the button is pressed for more than 2 seconds. The display will be dark when on.

Select the source to play.
Also, set the display display.

Display switching

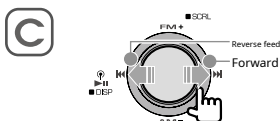
Switches the information displayed on the display.

1 put it in display mode

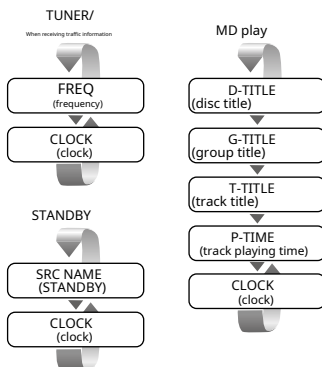


Keep pressing until "DISP SEL" is displayed.

2 Select display items

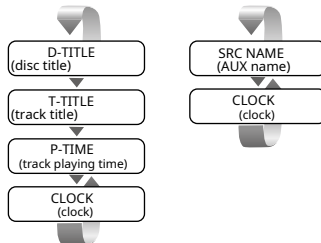


Each press switches in the following order.



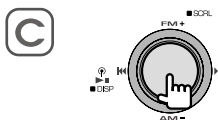
External Disc

AUX EXT

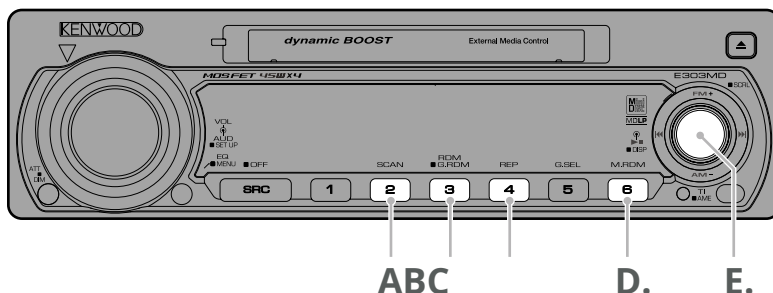


- If the playing time of the MD exceeds 100 minutes, only the last two digits will be displayed.
- "G-TITLE" "Menu settings" (page 24)
By setting the "GRP" item to "ON", you can select group-registered MDs when playing.
- While playing a disc with no disc title, track title, or group title
When you switch to the above display, the playing time is displayed. increase.

3 exit display mode



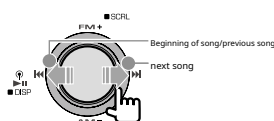
MD/External Disc モード



track search

Select songs in order.

E

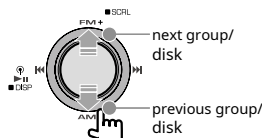


Each time you press the
Track search to the beginning/previous track.

Group/disk search

(Group registered MD only, disc changer) Select the disc or group to play.

E

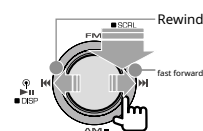


- The "10"th disk number is displayed as "0".
 - Group search is "menu setting" (page 24)
- This can be operated when the "GRP" item is "ON".

manual search

Fast-forwards/fast-reverses the currently playing track.

E

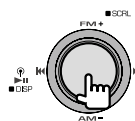


Fast-forward/fast-rewind only while the button is held down increase.

Pause

Pauses the currently playing song.

E



Press again to resume play.

scan play

10 seconds at the beginning of each song in the disc or group
You can search for songs by playing in intervals.

1 Start track scan play

A



TRAC SCN

Scan play is turned on/off each time the button is pressed.
increase. When scan play is on,
The lock number flashes.

2

At the song you want to hear...

A



It will play from that song.



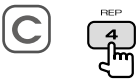
When all tracks have been scanned, Scan Ray will automatically end.

You can play using various functions with an MD or optional disc changer source.

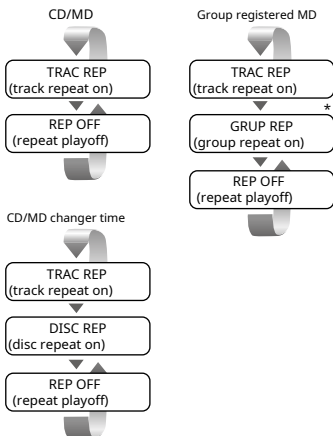
For basic MD listening, see EZ Operation (page 10).

repeat play

Repeat the current song or songs in the disc/group
Play over and over.



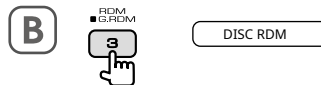
Each time you press it, it switches as follows.
During track repeat, the track number, group
The group number blinks during pre-repeat, and the
disc number blinks during disc repeat.



* "GRP REP" is "menu setting" (page 24)
This can be selected when the "GRP" item is "ON".

random play

Random songs in current disc or all groups
play in order.



Random play is turned on/off each time the button is pressed.
vinegar. Track number blinks during random play
To do.

- offside to randomly select the next song.
select.
- Group search cannot be performed during random play
of tracks in all groups.

magazine random play (disc changer only)

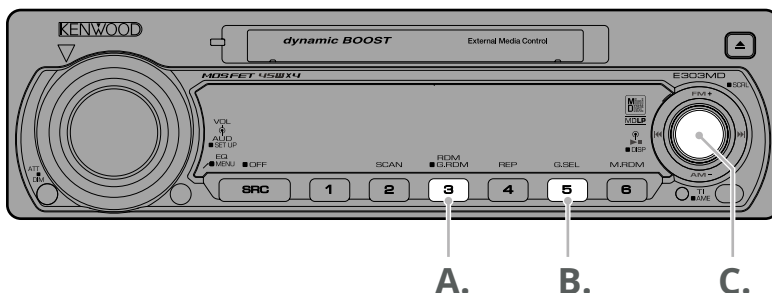
The disc set in the disc changer
Play in random order from the screen.



Magazine random play is turned on/off each time the
button is pressed. Tracks during magazine random play
The number flashes.

- ofcPush to the side to randomly select the next song
To do.

MD/External Disc モード



group random play

(Group registered MD only)

Songs in a group while playing an MD registered to a group are played in random order.

1 Start group random play

A



GROUP RDM

Track number during group random play – flashes.

2 End group random play

A



- Press the of side to randomly select the next song. select.
- Group random is "menu setting" (page 24)
This can be operated when the "GRP" item is "ON" in .

group select

(Group registered MD only)

Select the group containing the song you want to listen to Select in view.

1 Enter group select mode

B



G-SELECT

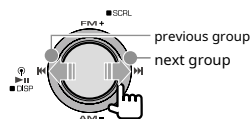
The display will show the following and view from the loop.

Group number display
Displays the group number.

SEL G03

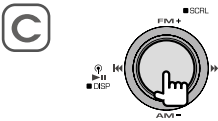
Choose 2 groups

C



Moves to the next group/previous group each time the button is pressed. to move.

3 A group that has songs you want to hear...



Exits group select mode and the first song in the loop is played.

To cancel group select...



Group select can be operated when the "GRP" item is "ON" in "Menu settings" (page 24).

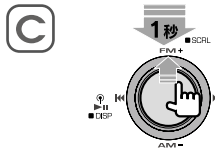
title scroll

The scroll mode is set to "MANU" Sometimes scrolls the title.

1 Display the title

"Switch display" (page 13)
Browse to disc title/track title
select group title display.

2 scroll display

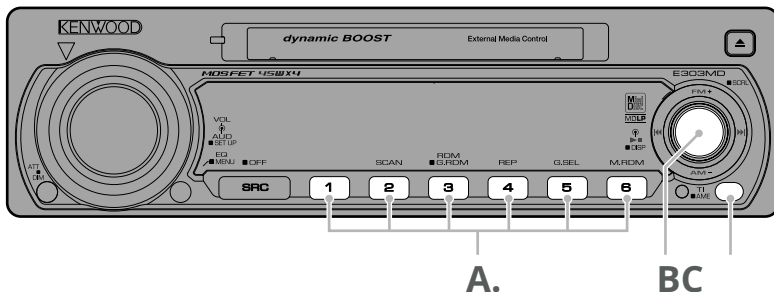


Scrolls the displayed title once.

vinegar.

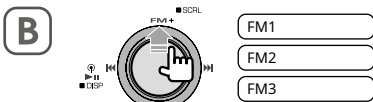
When the scroll mode is set to "AUTO", the title will start scrolling from the first character when the above operation is performed. The scroll setting method is "Menu settings" (see page 24)

TUNER モード



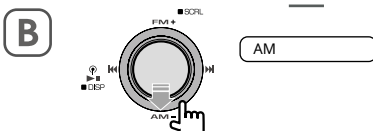
band switching

Switch to FM1, FM2, FM3.



Each time you press it, it switches in the order of FM1/FM2/FM3.

Switch to AM band.



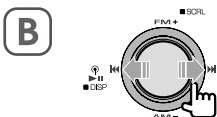
tuning

Select the station you want to receive.

1 choose a band

See "Band Switching" above to change the band.
Choose

2 choose a station



When the tuning mode is auto 1

Automatically selects stations with good reception.
To cancel in the middle, press it again.

When the tuning mode is Auto 2

Receives stations stored in memory in numerical order.
increases (Refer to page 19 for the memory method.)
please give me)

When the tuning mode is manual

Each press changes the frequency by one step.
increase.

- The tuning mode can be selected in "Menu settings" (page 24).
- The ST indicator lights when an FM stereo broadcast is received.

preset tuning

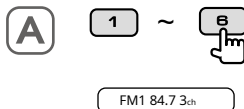
stored in the memory buttons (1 to 6)

Receives stations that

1 choose a band

See "Band Switching" above to change the band.
Choose

2 Select a memory button (one of 1 to 6)



The pressed button number is displayed in the memory number.
displayed and the stored frequency is recalled.
will be

Receives FM/AM broadcasts.

Moreover, the broadcasting station of up to 6 stations can be stored in memory for each band.

For basic FM/AM listening, see EZ Operation (page 10).

• auto memory

Automatically selects stations with good reception and stores them in memory

1 choose a band

See "Band Switching" above to change the band.
Choose

2 Start auto memory



Keep pressing until "A-MEMORY" is displayed.

Auto memory ends automatically when 6 stations are memorized or when one cycle of frequencies is performed.

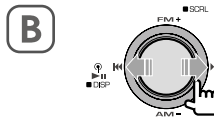
• manual memory

Memorize the station being received.

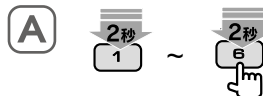
1 choose a band

See "Band Switching" above to change the band.
Choose

2 choose a station



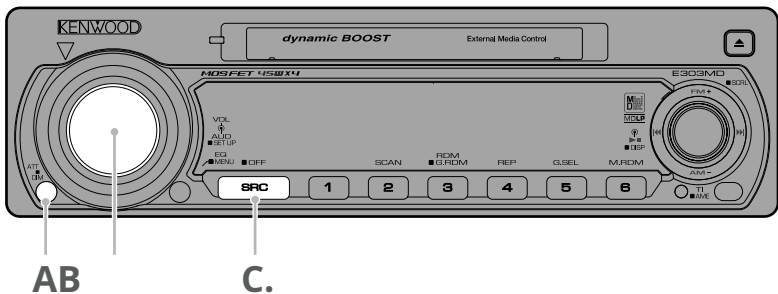
3 Select the button (one of 1 to 6) to memorize



FM1 84.7 30.0

Press until the button number display flashes once.
continue.

オーディオコントロール



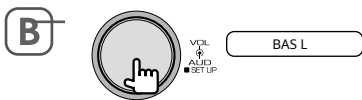
audio control

Adjust the volume balance, etc.

1 Select the source you want to set

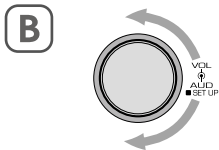


2 Select the item to set



The setting item switches each time the button is pressed.

Select 3 values



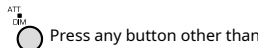
The set value changes each time it is turned.

The items and values that can be set are as follows.

Setting items	set value
BAS L [Bus] (bass volume level)	- 8-8
MID L [mid] (mid-bass volume level)	- 8-8
TRE L [treble] (volume level of treble)	- 8-8
BAL [Balance] (left and right volume levels)	L [left] 15 to R [right] 15
FAD [Fader] (difference in volume level before and after)	R [rear] 15 to F [front] 15

“BAS” , “MID” , and “TRE” values for each source can be set for each

4 exit audio control



When adjusting “FAD”...



Adjusts the sound balance, etc.

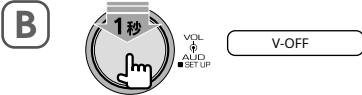
audio setup

Adjust loudness and volume offset increase.

1 Select the source you want to set



2 Set to audio setup mode



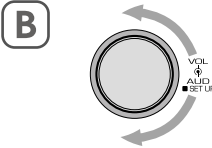
Keep pressing until "V-OFF" is displayed.

3 Select the item to set



The setting item switches each time the button is pressed.

4 select a value



The set value changes each time it is turned.

The items and values that can be set are as follows.

Setting items	set value
V-OFF [volume offset] <small>Level difference between sources</small>	- 8 to 0
LOUD [loudness] <small>Emphasis on bass and treble</small>	ON/OFF

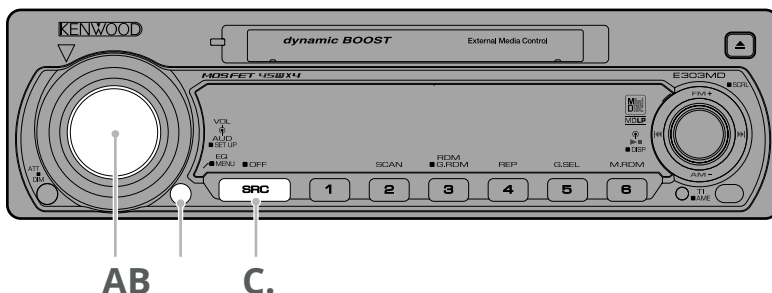
- "V-OFF" If you set (Volume Offset), Volume for each source relative to the volume at the time of listening You can set the difference.
- When "LOUD" (loudness) is turned on, the "LOUD" indicator lights.

5 Finish the audio setup



Keep pressing until the original source display is displayed.

オーディオコントロール



dB equalizer

Recall the sound quality set by genre.

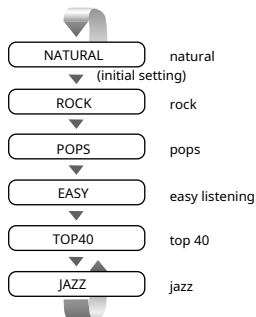
- 1 Make it the source you want to set



- 2 Select dB equalizer



Press once to display the currently set sound quality.
will be After that, each time you press
Switches to the preset sound quality.



- A dB equalizer can be set for each source.
- The dB equalizer setting changes depending on the speaker matching setting. "Speaker match "G"(page 17) first.
- "USER" is "audio control" (page 14), the current setting is first
It shows. When the dB equalizer setting is changed, the value adjusted in "Audio Control" is replaced by

speaker matching

Fine-tune the sound quality to match your speakers.

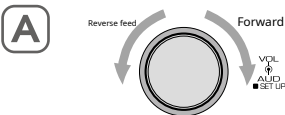
1 Switch to standby mode



2 Switch to speaker matching mode



3 Select speaker



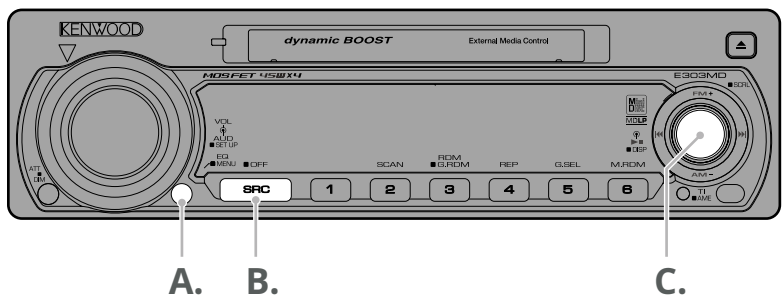
Each time you turn it, the speaker settings change as follows.
switch.

STANDARD	Settings for standard speakers
▼	
MIDDLE	Does not produce much bass Settings suitable for small speakers
▼	
WIDE	Good bass Settings suitable for large speakers
▼	
NARROW	Narrow frequency band Settings for speakers

4 Exit speaker matching mode



Menu Set



Menu settings

Set various functions such as the beep sound during operation.

1 Set to the mode with the item to be set.

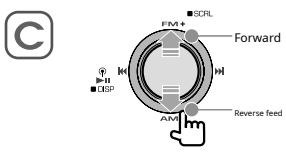


2 Enter the menu set mode



Keep pressing until "MENU" is displayed.

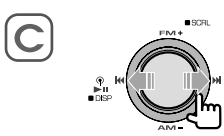
3 Select the setting item



The menu items to be set are switched in the order shown in the table on the right. ends.

- "Help ?Word" for detailed functions of marked items (page 33).
- If the "Conditions" in the table on the right are not met, the item cannot be displayed or set.

4 Select the setting value



The items and values that can be set are as follows.

Setting items	set value	conditions
* BEEP (beep)	ON/OFF	STANDBY in mode
CLK ADJ (clock adjustment)	25 ways to set see page please.	STANDBY in mode
* AUTO/MANUAL (Tuning mode)	AUTO1/AUTO2 /MANUAL	TUNER in mode
* MONO (monaural reception)	ON/OFF	When receiving FM broadcast
NAME SET (AUX name)	26 ways to set see page please.	AUX mode
* SCL (scroll setting)	AUTO/MANU	—
* GRP (MD group function)	ON/OFF	STANDBY in mode
* GUIDs (during navigation voice guidance) mute setting)	ATT/OFF	STANDBY in mode

(Default values are in bold)

5 Exit menu set mode



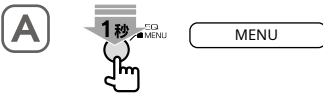
Set various functions of this machine.

time adjustment
set the time.

1 Set to STANDBY mode

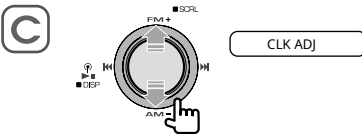


2 Enter menu set mode

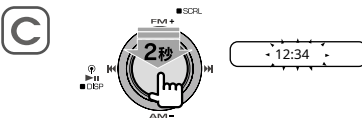


Keep pressing until "MENU" is displayed.

3 Select clock adjustment item



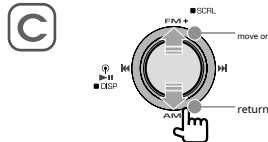
4 Start setting the time



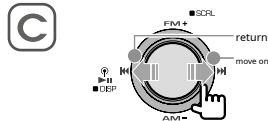
Hold until the clock flashes.

5 adjust the time

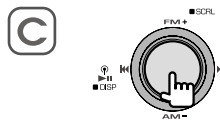
adjust the time



adjust the minutes

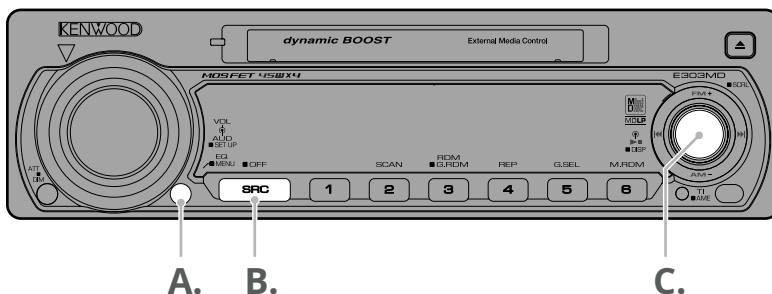


6 Finish setting the time.



When adjusting the minutes, the count starts from "00" seconds.
Start.

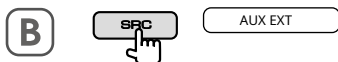
Menu Set



AUX name select

Sets the display when switching to AUX mode.

1 Set to AUX mode

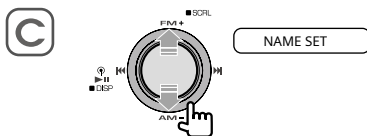


2 Enter the menu setting mode.

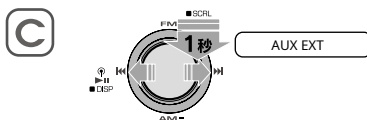


Keep pressing until "MENU" is displayed.

3 Select the Nameset item

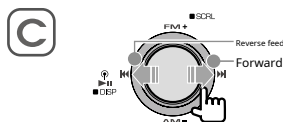


Four enter nameset mode



Keep pressing until the AUX name appears.

Five Select AUX name



Each press switches in the following order.



6 Finish the name set



- If no operation is performed for 10 seconds or more, the current name will be selected.
- When the unit is removed from the battery, the AUX name will return to "AUX EXT".
- "AUX name select" is not available for AUX input using CA-C1AX.

This unit is equipped with a group management function that allows you to select a group from grouped MDs (group-registered MDs) and quickly select the songs you want to listen to.

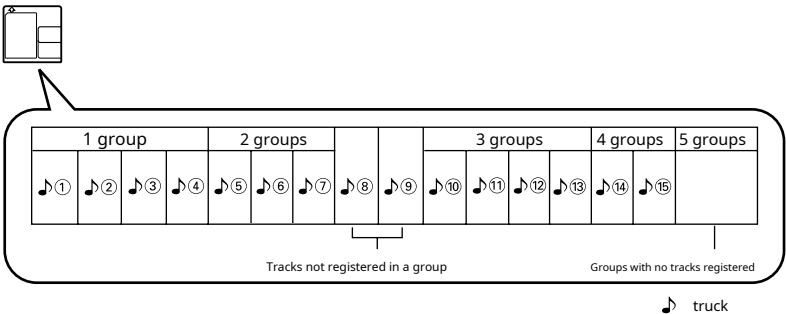
(Please refer to the instruction manual for the editing machine equipped with the group function for how to create an MD.)

Maximum number of playable groups

Up to 50 groups can be played on this unit. Groups registered after the 51st cannot be played.

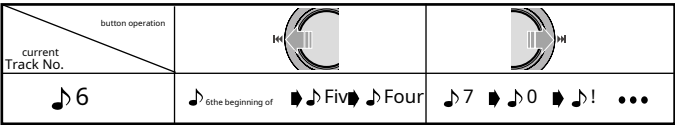
The order in which songs registered to a group are played

If you perform track search, group search, and group select on a disc created with the following groups, the result will be as follows. In addition, the group management function is "menu setting" (page 24) "GRP" item Available when set to "ON".

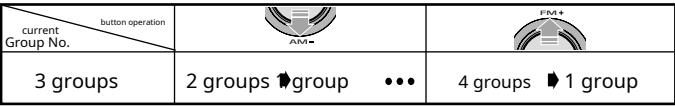


- If the group management function is set to "ON", tracks not registered in a group will not be played. You can listen to all songs by setting the group management function to "OFF".
- Groups with no track registered cannot be selected by group search or group select.

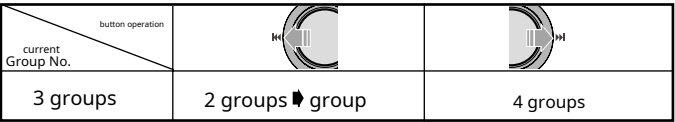
; & If track search is performed during playback...



; P. If group search is performed during playback...



When group select is performed...



- Group select starts from the first group when group select is performed while any song is being played. The above description replaces the operation example when pressing the button to the side to select 3 groups is described. To enter the group select mode, refer to "Group select". (page 16).

Help ? Operation

Power does not turn on

- Fuse is blown.
- Improper connection of input/output cables, power cords, power control cords, etc. there is
- speaker cable shorted and protect it by contacting the chassis, etc. function is working.
- After confirming that the cords are not short-circuited, replace the fuse with the same capacity fuse.
- "connection" (page 38) to connect correctly.
- Route or insulate the speaker cable correctly before pressing the reset button.

No sound/low volume

- Feder, the balance is leaning to one side.
- Set the volume offset.
- "FAD" (fader) or "BAL" (balance) correctly. Please adjust. (page 8)
- "V-OFF" (volume offset) correctly. please. (page 15)

It does not operate even if the operation switch is pressed

- The built-in microcomputer is malfunctioning.
- Please press the reset button. (page 8)

Poor sound quality (distorted sound)

- Too loud.
- The speaker cord is caught in the screw on the vehicle side. It is crowded.
- Wrong speaker wiring.
- Please adjust the volume appropriately.
- Check the speaker wiring.
- Correctly connect the speaker output terminals to each speaker.

Poor tuner sensitivity

- The car antenna is not extended.
- Antenna control power is connected not present.
- The antenna input is not properly connected. stomach.
- Fully extend the antenna.
- "connection" (page 38) to connect correctly.
- Securely connect the antenna input.

Pressing the SRC button does not switch to CD-CH/MD-CH

- Sold separately required to listen to each source product unit is not connected.
- Reset button after connecting the optional unit button is not pressed.
- It will not switch to unconnected sources. "connection" (page 38) to connect correctly.
- Please press the reset button. (page 8)

sound cuts out

- Ejecting the MD.
- Sound is temporarily muted while the MD is being ejected. When the eject operation is completed, the original sound will be heard.

MD/External Discmode

Pressing the SRC button does not switch to MD

MD is not set.

Please set the MD to play.

MD does not enter

I already have an MD.

Take out the MD that is in it, and then insert it.

MD is not retracted

The orientation of the MD is incorrect, or
It's inside out.

Please insert it in the correct direction.

MD cannot eject

The disc is stuck in the middle of ejecting.

Keep pressing the MD eject button until the MD ejects.

can't eject disc

Within 10 minutes after turning off the ACC switch of the vehicle
Because it has passed.

You can remove the disc within 10 minutes after turning off the ACC switch. If more than 10 minutes have passed, turn ACC on again and press the eject button.

Even if an MD is inserted, it makes a beeping sound and cannot be played.

An MD formatted in Hi-MD format is being
played.

Hi-MD is not supported. Even conventional MD discs cannot be played if formatted in Hi-MD format. Record in the conventional MD format.

Sound skips due to vibration during MD play

- 30° mounting angle exceeds
- Installation is unstable.

- 30° Reattach it as shown below.
- Reattach it firmly. If the sound skips even when the car is parked, or if the sound skips in the same place, the MD is the cause.

It just plays the same song over and over and doesn't advance to the next song

Track repeat is turned on.

Turn off track repeat. (page 15)

Only the beginning of the song is played

Scan play is on.

Turn off scan play. (page 13)

Songs not playing in order

Random play is turned on.

Turn off random play. (page 15)

Discs do not play in sequence

Magazine random play is turned on.

Turn off magazine random play.

(page 15)

Can't do magazine random

Only one disc is included.

Insert two or more discs.

Repeat play, scan play and random play are not turned off

As long as the disc is not ejected, each function will remain powered on. is turned off automatically.

Turn off each function by button operation, or eject the disc.

can't play cd

- The CD is upside down.
- The CD is extremely dirty.
- Condensation.

- Reinsert it with the label side up.
- Please clean the CD.
- Please use it after leaving it for a while.

Cannot play CD-R or CD-RW

- Not finalized.
- You are playing on a player that does not support CD-R or CD-RW.

- Finalize the disc with a CD recorder. For details on the finalizing process, refer to the operating instructions for your CD-R/CD-RW writing software and CD-R/CD-RW recorder.
- Play on a CD player/CD changer that supports CD-R and CD-RW.

Only the same disc in the changer is played

Disc repeat play is on.

Turn off disc repeat play.

(page 19)

Track search cannot be performed with the disc changer.

Previous track on first track, last track is trying to track search to the previous song.

Track search from the first track to the last track and from the last track to the first track is not possible except during disc repeat.

Can't switch to disc changer mode

The disc changer input of this unit is connected. not

"Connect" the disc changer input of this unit (page 38)
Please see and connect correctly.

"AUX EXT" is displayed even when disc changer mode is selected

- Set the ON switch to the O side.
- Disc changers not supported by this unit are using.

- Set the ON switch to the N side.
- Use a disc changer compatible with this unit. (page 8)

MDGroup

MD group function does not work

Set the "GRP" item in "Menu Settings" to "Off", so the disc title and All group titles and be.

"Menu settings" Set the "GRP" item (page 24) to "ON". Please set.

Group-registered MDs are not played in the order in which they were registered

- Editors without group functions, etc. Edited by
- "/" is added to the group title.

- Register the group again using an editing machine equipped with a group function.
- Do not add "/" to the group title, as the group information cannot be recognized correctly.

Disc title is not displayed correctly

Set the "GRP" item in "Menu Settings" to "OFF" is set to

Group information is displayed when the "GRP" item is set to "OFF".

Can't see disc title

disc title and group title
Registered with different types of characters.

The disc title may not be displayed on MDs in which different types of characters are registered in the disc title and group title. Please re-register the disc title with an editing machine equipped with a group function.

I can't select the song I want to listen to

Not registered in a group.

Register the songs you want to listen to in some group, or select "Menu Setting" Set the "GRP" item (page 24) to "OFF".

MD playback returns to the first track

Set the "GRP" item in "Menu settings".
was

"Menu settings" while playing MD "GRP" on page 24
If you set , the MD play will return to the first track.

audio control

Can't enter audio control mode

It is set to STANDBY.

Audio control cannot be operated during STANDBY. Switch the source mode before operating.
(page 14)

Highs are not boosted even with Loudness Control turned on

Listening to FM/AM broadcasts.

Only bass is emphasized in tuner mode.

common

External Disc

(external disk: external disk)

Collecting devices that play discs (CDs, DVDs, etc.) such as externally connected separately sold CD players, CD changers, multimedia players, etc.

It is called "External Disc".

MDLP

(MD Lpy)

It is the standard of the recording method of MD.

This unit can play MDs recorded in MDLP2 mode and MDLP4 mode.

disc changer

Optional CD changer connected externally (KDC-C469, KDC-C520, etc.), MD changer, multimedia player.

Traffic information: TI

(traffic information)

On highways, etc., traffic information is broadcast on a fixed frequency. This function allows you to quickly listen to traffic information while listening to MD.

audio control

dB equalizer

(Dynamic Boost Equalizer)

Effects set by genre have the following characteristics.

- | | |
|--------|---|
| ROCK: | Reproduce the speedy and powerful attack sound. will appear. |
| POPS: | Rhythmic sound centered on the mid-high range to reproduce. |
| Easy: | Tasteful sound based on mid-low range to reproduce the |
| TOP40: | Reproduce gorgeous sound with high frequencies as the main To do. |
| JAZZ: | Wood-based scale and vocal texture vividly reproduced. |

V-OFF

(volume offset)

By setting "V-OFF" in the audio control, you can set the volume difference for each source with respect to the volume at the time of listening.

Menu settings

AUTO1/2/MANUAL

(tuning mode)

You can set how to search for broadcasting stations.

AUTO 1: Searches for stations automatically. AUTO 2: Receive stations stored in memory in order To do.

Manual: The frequency changes by one step.

BEEP

(beep)

This function makes a beeping sound when the SRC button is pressed, or when the button is pressed for 1 or 2 seconds or more to confirm that the button has been pressed. If you find it too noisy, you can turn it off by setting it to "OFF".

GRP

(MD Group)

If this function is turned on, the group search, group repeat play, group random play, and group select MD group functions can be used while playing a group-registered MD. At this time, songs not registered in the group will not be played, so please register him in some group or turn this function off for him.

For the MD group function, see "Help ? MD Group" (page 28).

GUIDs

(Navi voice guide)

If this function is set to "ATT" when a navigation system is connected to this unit, the volume of the currently listening source is temporarily reduced to make it easier to hear the navigation sound.

MONO

(monaural)

With this function, FM stereo broadcasts can be converted to monaural sound.

When listening to an FM station with poor reception, setting the audio to monaural may reduce noise and make it easier to hear.

SCL

(scroll)

If the disc title or CD text is too long to be displayed on the display, it will be scrolled.

If this function is set to "SCL AUTO", this scrolling display will be repeated, and if it is set to "SCL MANU", it will scroll once when the display changes.

Invalid operations are displayed and notified as follows.

- BLANK :No data has been recorded on the MD you are trying to play.
 \Please use another disk.
- E-12 :The MD you are trying to play is a data MD.
 \Take out the data MD and insert the music MD.
- E-15 :The disc does not contain data that can be played on an external disc player.
- EJECT :●A disc magazine is not set.
 ●The disc magazine is not completely inserted.
 Such
- NO DISC :●There are no discs in the disc magazine.
 ●There is no tray in the disc magazine.
- NO PANEL :The operation panel of the connected external device (CD player, etc.) has been removed.
 \Attach the operation panel of the external device.
- NO TRACK :Nothing is recorded on the MD you tried to play.
 \Please use another disk.
- TOC ERR :●The disc is extremely dirty.
 ●The disc is upside down.
 ●The disc has many scratches.
 ●No disc inserted.

The system status is displayed and notified as follows.

- E-77 :Not working properly for some reason.
 \Press the reset button on the machine. If "E-77" does not disappear, call your local
 Please consult with Wood Service Desk.
- E-99 :●There is something wrong with the disc magazine.
 \Remove the disk magazine and check the inside of the disk magazine.
 ●Not working properly for some reason.
 \Press the eject button. When the display does not disappear even after pressing the eject button
 press the reset button on the unit. If the display does not disappear, please contact your
 nearest Kenwood service center.
- HOLD :If the internal temperature of this unit's MD player or disc changer exceeds 60°C, the protection circuit will be activated.
 work and may stop working. This display will appear at this time. \Lower the temperature
 of the installation location of this unit or disc changer before using.
 stomach.
- IN (flashing) :The MD player section is not working properly.
 \Press the (eject) button and remove the MD. MD cannot be ejected or
 If the indicator still blinks even after the MD has been reinserted correctly, turn off the power
 and contact your local Kenwood service center.

取り付け時のご注意



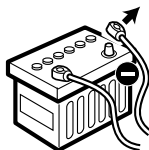
Ban



Heavy-duty trucks and cold-weather diesel vehicles
Do not use in any 24V vehicle. a fire
Which cause? This product is DC12V-A
It's for cars only.



implementation



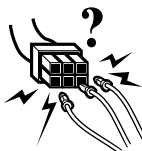
Disconnect the - terminal of the battery during wiring work.

Please go from

Doing so may cause an electric shock or injury due to a short circuit.
increase.



implementation



Be sure to describe the wiring for this product in the instruction manual.

go down a street

Incorrect wiring may result in fire or other accidents.
It will be the cause.



Ban



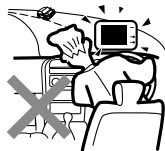
Cut the cord insulation and remove power from other equipment.

Please do not do this. of lead wire

Exceeding the current capacity may result in fire or electric shock.
Become.



Ban



Do not place this product in a location that obstructs your forward vision or when driving.

Places that interfere with work or places that pose a danger to passengers

Do not install on Traffic accidents and injuries

It may cause moths.



implementation



When installing this product, be sure to

Please use the parts for Please purchase the mounting accessories.

Failure to do so may damage the internals of the product and cause damage to the show.

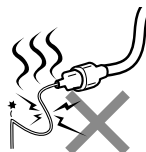
Doing so may cause a fire due to an accident.

In addition, the product may come off during operation due to improper installation.

Otherwise, it may cause injury such as hitting a person.



Ban



Do not extend with anything other than the vehicle power supply wiring cord.
please.

The coating of the cord is easy to tear, short circuit, heat generation
Accidental fire may occur.

In addition, a fire may occur due to exceeding the current capacity.
There is a risk of



implementation



Cords that run near vehicle sheet metal should have protective
Please wrap the tape.

If the cord is cut, it may cause a fire due to a short circuit accident.
There is a risk of disaster.



Ban

Do not connect the ground cord to the steering section or brakes.
Bolts and nuts for important safety parts such as line systems
Do not attach it to the such as an accident
It will be the cause.



implementation

Vehicle side power supply to connect the battery power supply (yellow)
Make sure that the fuse capacity of the unit is greater than
or equal to the fuse capacity of the unit (10A).
You can also connect an optional power amplifier, etc.
If the total fuse capacity between them and the machine is
Confirm that it is less than the fuse capacity on the vehicle side
please. If it exceeds, take power directly from
the battery.

Do not connect a power supply that exceeds the fuse capacity of the vehicle.
Then, due to the excess current capacity of the lead wire,
Doing so may cause accidents such as fire.



implementation

If the power does not turn on, or if it does
If it turns off too soon, turn off the speaker cord
short circuit or contact with metal parts of the car.
You can touch it to see if the protection function is working.
is possible. In such cases, the speaker
- Check the wiring of the cord.



Note



When drilling a hole in the vehicle body for installation, use a pipe
Check the positions of the equipment, tank, electrical wiring, etc.

Eh, you won't hit or come into contact with these
Please be so. Doing so may cause a fire.



implementation



After installing this product, use the car's brake
lamps, headlamps, blinkers, wipers, etc., are
working properly.
stomach. If it doesn't work,
Re-install as shown.



Note

When the fuse of this product or vehicle blows
make sure the cord is not shorted

After that, be sure to fill in the capacity indicated on the fuse (A
amperage) with a new fuse.
when. Use a fuse other than the specified capacity
and cause a fire.



implementation

To prevent accidents, do not store small items such as batteries or screws.
Keep out of reach of children
stomach. If swallowed, immediately consult a doctor
Please talk to me.

接続



After confirming that the engine key is removed first, be sure to disconnect the - terminal of the battery to prevent a short circuit accident.

Implementation

- 1.Remove the engine key.
- 2.Check and connect the input/output cords of each set.
- 3.Connect the power harness speaker cords.
- Four.**Connect the power harness in the following order: ground cord (black), battery power cord (yellow), accessory power cord (red).
- Five.**Connect the power harness connector to the machine.
- 6.Connect the - terminal of the battery after installation.
- 7.Press the reset button on the machine.

Disc changer (sold separately)



disc changer cable
(attached to disc changer)



- If the optional disc changer or CD player has an "ON switch", set it to "N".
- When connecting the KCA-S210A (sold separately), refer to the "D unit" item in the instruction manual supplied with the KCA-S210A.

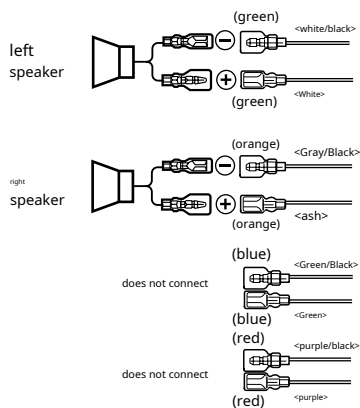
Fuse (10A)
(attached)



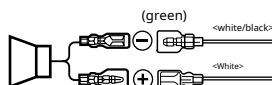
Note

When the fuse blows, the code shorts.
After confirming that the fuse of the capacity (amperage) indicated on the Replace with new fuse.rules
Using a fuse other than the specified capacity may cause fire.
It will cause disaster.

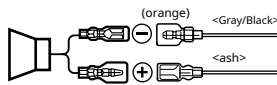
Speaker connection method for 2 speakers



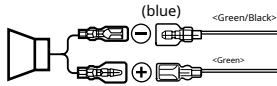
front left speaker



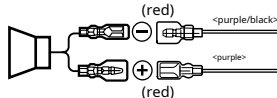
front right speaker



rear left speaker



rear right speaker



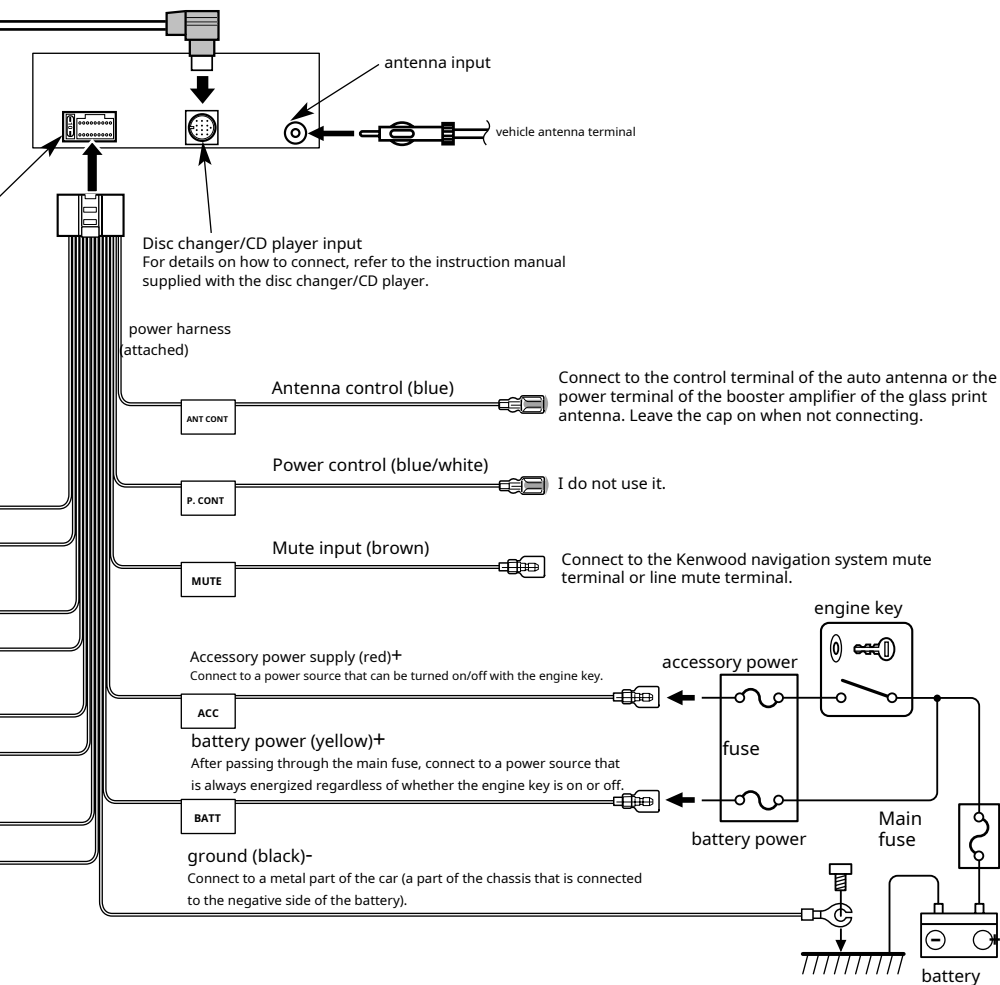
Note

- Connect the + and - terminals of the speaker wire to the chassis of the car.
Do not let it come into contact with
- Common the - terminals of multiple speaker cords.
Do not connect



Connecting the mute input (brown) to a non-KENWOOD car navigation system may result in malfunction. In case of malfunction, Set the "GUID" item in "Menu Settings" to "OFF".

Note please. (page 24)



取り付け

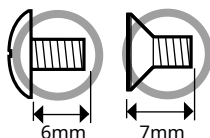
Attached truss screw (M5×6mm) or countersunk screw (M5×7mm) and attach it to the vehicle bracket, etc.



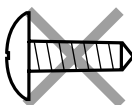
Be sure to use the supplied screws for mounting.

Using long screws other than those supplied may damage the inside of the unit or cause smoke to be generated. Also, if short screws are used, the unit may come off from the mounting bracket, etc.

Supplied mounting screws

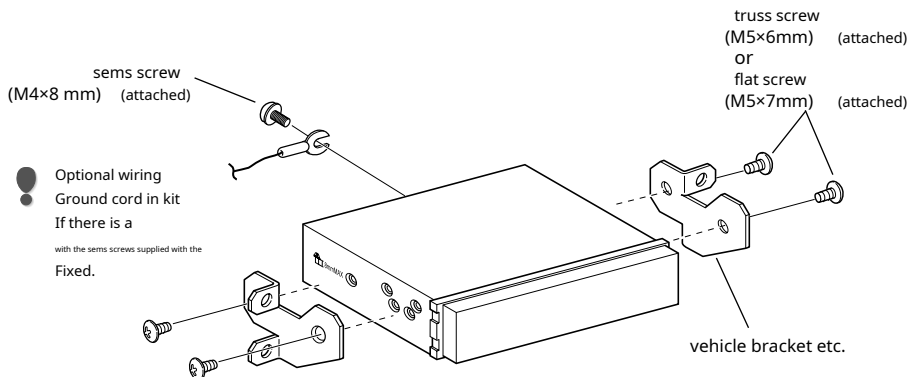


Other screws

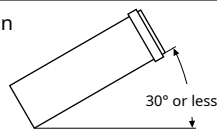


Attached screw list

	Truss screw (M5×6mm)	Four
	Countersunk screw (M5×7mm)	Four
	Sems screw (M4×8 mm)	1



- Install the unit at an angle of 30 degrees or less. Mounting at an angle of 30° or more may cause sound skipping.
- Do not hold the operation panel to install/remove. It may be damaged.



By using the optional wiring kit and mounting kit, you can install the best fit for your car. Kits are prepared according to the vehicle model to be installed. Please see the catalog for details.

保証とアフターサービス

Warranty



warranty

A separate warranty card is attached to this product.

Please be sure to receive the warranty from the store after confirming that the date of purchase and the store you purchased the product from have been filled in. Read the contents carefully and keep it in a safe place.



Warranty period

from the date of purchase 1 year is.

When requesting repair

Please refer to "Help ? Operation" to find out. If the problem persists, turn off the power of the product and contact the store where you purchased the product, or a Kenwood service center, service station, or sales office. (Please refer to the separate document "Kenwood Nationwide Service Network".)

When the product is sent for repair, all the memory contents registered and set by the customer may be erased. Please note.



During the warranty period...

In accordance with the provisions of the warranty, your dealer or Kenwood service center, terminals, service stations, sales offices will repair it. of your request
Please present your warranty card.

Causes other than this unit (impact, moisture, contamination by foreign matter etc.) is not covered by the warranty.
Become. Please see the warranty for details.



After the warranty period has passed...

your dealer or KENWOOD service center, service station
Please consult our sales office. for repair
If the function can be maintained, the customer's
We will repair it for a fee upon request.

The retention period of performance parts for repair is discontinued.
after 6 years is.

(Performance parts for repair means that the function of the product is
Parts necessary for maintenance.)



Carry-in repair

This product will be brought in for repair.

- When you bring this unit, bring the connected unit with it. (Remove any discs, tapes, or other media in the machine or units brought in with it in advance.)
- When sending the product in for repair, wrap it to prevent damage during transportation.



Repair fee structure (For charged repairs, the following charges are required.)

- **Technical fee:** A fee for restoring a malfunctioning product to a normal state.

This includes personnel expenses for engineers, technical training expenses, facility expenses such as measuring instruments, general administrative expenses, etc.

- **Parts cost:** The cost of the parts used for the repair.

In some cases, parts, etc. incidental to other repairs may be included.

If you have any questions about after-sales service, please feel free to contact the store where you purchased the product, Kenwood service center, service station, or sales office.

仕様一覧

FM tuner section	
Receiving frequency range (frequency step) Practical sensitivity (S/N: 30 dB) S/N 50 dB sensitivity Frequency response (±3.0 dB) S/N ratio Selectivity (±400 kHz) stereo separation	76.0MHz to 90.0MHz (100kHz) 9.3dBf (0.8uV/75Ω) 15.2dBf (1.6uV/75Ω) 30Hz to 15kHz 70dB (MONO) 80dB or more 40dB (1kHz)
AM tuner section	
Receiving frequency range (frequency step) sensitivity	522kHz to 1629kHz (9kHz) 28dBμ (25μV)
MD player section	
laser digital filter D/A converter number of revolutions wow & flutter Frequency characteristic harmonic distortion S/N ratio dynamic range channel separation	GaAlAs 8x oversampling 1 Bit 400-900 rpm Below measurement limit 20Hz to 20kHz (±2dB) 0.03% (1kHz) 90dB (1kHz) 90 dB 85 dB
audio section	
Tone control (bass) (middle tone) (treble)	Maximum output Rated output 45W×Four 28W×4 (4Ω, 1kHz, 10%THD or less) 100Hz±10dB 1kHz±10dB 10kHz±10dB
Power supply part	
Power supply voltage current consumption	14.4V (11-16) 10A
Dimensions/mass	
Embedded dimension (W×H×D) mass (weight)	178×50×160mm 1.1kg
accessories	
power harness Truss screw (M5×6mm) Countersunk screw (M5×7mm) Sems screw (M4×8 mm)	One 4 4 One

*These specifications and designs are subject to change without notice due to technological development.

KENWOOD

株式会社 ケンウッド

2967-3 Ishikawacho, Hachioji City, Tokyo Prefecture 192-8525

- For product inquiries, please use the Customer Support Center.

phone (045) 933-5212, (06) 6394-8085 (automatically forwarded to Yokohama. Call charges to downtown Osaka can be used)

FAX (045) 933-5553

address 1-16-2 Hakusan, Midori Ward, Yokohama City, Kanagawa Prefecture 226-0006

Reception time 9:00-18:00 (closed on Saturdays, Sundays, public holidays and company holidays)

- For after-sales service, please contact the store where you purchased the product, or refer to the attached "Kenwood Service Network" and contact the nearest service station, service center, or sales office.